

EXAMPLE**Calculating the sample correlation coefficient**

The following are the numbers of minutes it took 10 mechanics to assemble a piece of machinery in the morning, x , and in the late afternoon, y :

x	y
11.1	10.9
10.3	14.2
12.0	13.8
15.1	21.5
13.7	13.2
18.5	21.1
17.3	16.4
14.2	19.3
14.8	17.4
15.3	19.0

Calculate r .

FIGURE 10.10 The scatter plot shows the data to make sure a linear pattern exists and that